GENERATION OF TEST SUITES FOR INTEROPERABILITY OF
REACTIVE COMMUNICATION SYSTEMS

ABSTRACT OF THE DISCLOSURE

A method of generating test sequences for determining interoperability of communication systems when connected to one another, includes defining gateways between the connected systems and corresponding end users of the systems. Certain transitions involving operation of more than one gateway associated with a calling user and a called user, are determined. The connected systems are tested for operation at those transitions. In an illustrated embodiment, a state machine corresponding to the connected systems is defined, the machine having a number of defined states, and transitions between the states. Those transitions involving operation of more than one system gateway associated with a calling user and a called user, are determined. The connected systems are tested for operation at at least some of those transitions.